

Metrics Planning and Reporting (MPAR) WG Breakout session

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4th Earth Science Data Systems Working Group
Joint Working Group Meeting
Baltimore, MD
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MPARWG Breakout Sessions



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	10/25/2005	Names	Start time	Duration
	Introduction	H. Ramapriyan	1:30	0:10
Ŷ.	Metrics - HQ point of view	Frank Lindsay	1:40	0:20
Y	Updates to Website	Paul Davis	2:00	0:20
0	Migration to GSFC site - status	Kathy Fontaine	2:20	0:15
	Resolution of Reporting "Anomalies"	Greg Hunolt	2:35	1:00
	Thoughts on Education Metric (Metric #10)	John Pickle	3:35	0:30
	Education REASoNs' Survey	Glen Schuster	4:05	0:30
No. of Lot	Introduction to next day's topics - Service, Efficiency and Project- Unique Metrics	H. Ramapriyan	4:35	0:25
X	Adjourn		5:00	
V.				
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	10/26/2005			
Sal.	Ideas from REASoN Project attendees on Service, Efficiency and Project-Unique Metrics	All (15 mins per project) - Moderated by Paul Davis	8:30	2:30
X	General discussion - items for recommendation to HQ	All - Moderated by Rama	11:00	0:30
V	Adjourn		11:30	
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÷	10/27/2005			
1	Draft recommendation to HQ	Hunolt	10:15	1:00
Y	Develop plenary session summary presentation	Rama	11:15	0:30
X			44.45	
V	Adjourn		11:45	
	ESDSWG meeting – 10/27-29/2005			

Outcome Metrics' Samples



□ Enabling faster utilization of data:

- > Fraction of data sent by a DSP to the science/applications users that was actually used for addressing science questions/applications.
- > Time saved in data subsetting and going to the analysis step
- > Reduction of search and access time to obtain data of interest
- > Time lag between data collection and its utilization for science/application.

□ Size/growth of user community

- > Number of different applications communities supported.
- > Number of significant new applications supported (e.g., helping with disaster relief)
- > Number of value-added DSPs supported and the "user fan-out factor".
- > Market share served (percentage of target user community)
- > Unsolicited or solicited external requests for key services (e.g., request from a scientific group to archive and distribute its data)
- > Number of new users in a year per FTE staff

□ Support for Publications/Education

- > Volume of data and number of datasets used to produce scientific publications.
- > Number of peer-reviewed publications resulting from data
- > Number of datasets used in classroom and teaching environments
- > Number of graduate degrees resulting from the datasets sent out to educational institutions

Items for Recommendation to HQ



- □ Changes to current set of questions per Greg Hunolt's recommendations
- □ Deletion of metric 7(?)
- □ Sample Metrics
 - > Number of publications resulting from data usage
 - > Custom processing subsetting (% of reduction in data submitted for subsetting)
 - Measure ability of project to provide precisely what was asked for
 - > Instances of services invoked
 - Searching vs downloads
 - Subsets vs whole data sets
 - Blended data vs discrete datasets
 - Input data vs discrete datasets
 - > Examples of Customer e-mails
 - > Study manager reports
 - > Publications/presentations
 - > Requests for educational assistance expert knowledge
 - Questions answered
 - > Modify #10 per Paula Coble's chart
 - > 1-3 REASoN specific and REASoN defined metrics milestones? Significant accomplishments?

Items for Recommendation to HQ



□ Sample metrics (Continued)

> Education

- Number of teachers impacted school districts, subjects, grade level, underrepresented audience
- Number of hours of training
- Number of students, time working on project, indicators of success
- Administrators' support to teachers; how have we helped teachers demonstrate that we are meeting their need?
- Which schools have made materials part of curriculum? Have more teachers shown desire to be trained? Publications
- Percentage of Earth science content in the curricula an integrated measure of success (across REASoN projects)

> OPeNDAP server sites

- How many are using OPeNDAP in general?
- How much SST data has been sent to users using OPeNDAP?
- Metrics for downloads of software
- Unique types of usage of OPeNDAP (e.g., internal)

> GLCF-Unique

- Large volume and variability
- Classroom usage
- Research feeder service
- Customer Service
- Data Mirrors, Data Grids, OPeNDAP (Data Sharing Operations)
- Extra Achievements items that are not part of the REASoN proposal obligations